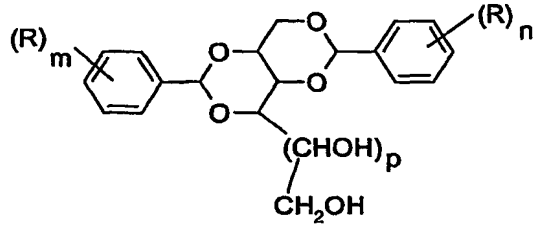
Claims:

1. An additive mixture containing the components (A), (B) and optionally (C), wherein **component (A)** is at least one compound of the formula (I)



(I)

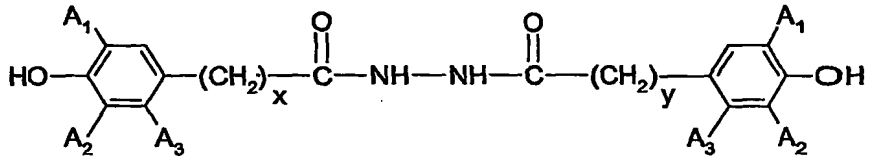
wherein

p is zero or 1;

m and n are independently of one another an integer from zero to 3; and

the radicals R are independently of one another C_1-C_8alkyl, C_1-C_8alkoxy, hydroxy, halogen, C_1-C_8alkylthio, C_1-C_8alkylsulfoxy or 2 radicals R form together with 2 adjacent carbon atoms of the unsaturated parent ring a 5- to 7-membered carbocyclic or heterocyclic ring;

component (B) is at least one compound of the formula (II)



(II)

wherein

x and y are independently of one another an integer from 2 to 10;

the radicals A_1, A_2 and A_3 are independently of one another C_1-C_{10}alkyl, C_5-C_{12}cycloalkyl unsubstituted or substituted by 1 to 3 C_1-C_{10}alkyl; phenyl unsubstituted or substituted by 1 to 3 C_1-C_{10}alkyl; or C_7-C_{12}phenylalkyl, and

the radicals A_2 and A_3 are additionally hydrogen;

with the proviso that at least one of the radicals A_1 and A_2 is branched C_3-C_{10}alkyl, C_5-C_{12}cycloalkyl unsubstituted or substituted by 1 to 3 C_1-C_{10}alkyl; phenyl unsubstituted or substituted by 1 to 3 C_1-C_{10}alkyl; or C_7-C_{12}phenylalkyl; and

component (C) is a lubricant or a mixture of lubricants.

2. An additive mixture according to claim 1 wherein

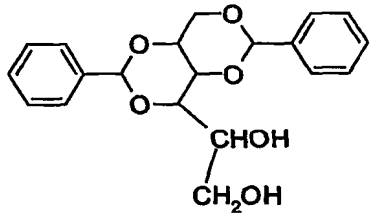
p is 1;

m and n are independently of one another zero, 1 or 2; and

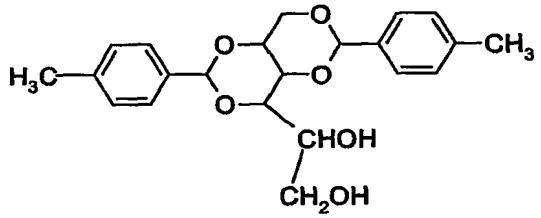
the radicals R are independently of one another C_1-C_4alkyl;

x and y are independently of one another an integer from 2 to 6;
the radicals A_1, A_2 and A_3 are independently of one another C_1-C_5alkyl, cyclohexyl unsubstituted or substituted by one methyl; phenyl unsubstituted or substituted by one methyl; or 2-phenylpropyl, and
A_3 is additionally hydrogen.

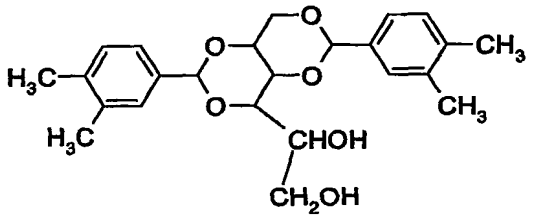
3. An additive mixture according to claim 1 wherein
component (A) is at least one compound of the formulae (I-1), (I-2) and (I-3), and



(I-1)

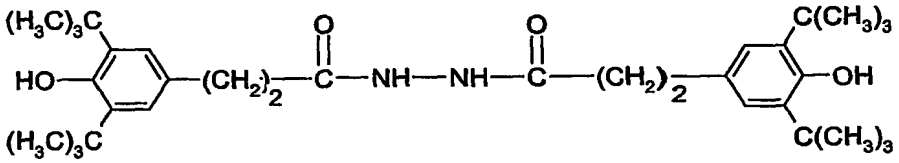


(I-2)



(I-3)

component (B) is the compound of the formula (II-1).



(II-1)

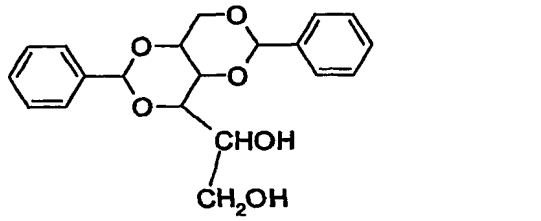
4. An additive mixture according to claim 1 wherein
component (C) is at least one lubricant selected from the group consisting of synthetic or natural waxes and amides of fatty acids.

5. An additive mixture according to claim 1 wherein

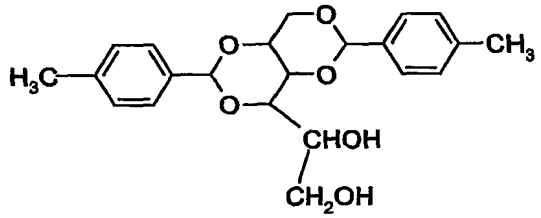
component (C) is at least one lubricant selected from the group consisting of Fischer-Tropsch wax, high-pressure polyethylene wax, Ziegler-Natta polyethylene wax, metallocene polyethylene wax, Ziegler-Natta polypropylene wax, natural waxes and amides of fatty acids.

6. An additive mixture according to claim **1** wherein

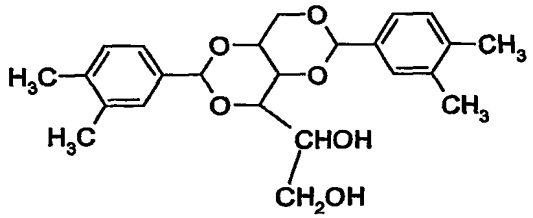
component (A) is at least one compound of the formulae (I-1), (I-2) and (I-3);



(I-1)

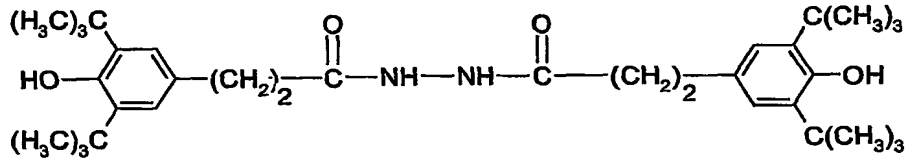


(I-2)



(I-3)

component (B) is the compound of the formula (II-1); and



(II-1)

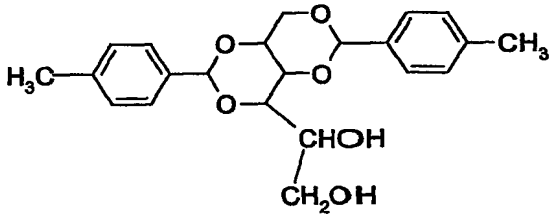
component (C) is at least one lubricant selected from the group consisting of Fischer-Tropsch wax, high-pressure polyethylene wax, Ziegler-Natta polyethylene wax, metallocene polyethylene wax, Ziegler-Natta polypropylene wax and stearamide, erucamide and oleamide.

7. A composition according to claim 1 containing the components (A), (B) and (D) and optionally (C), wherein component (D) is at least one antioxidant which is different from component (B).

8. A composition according to claim 1 containing the components (A), (B) and (D) and optionally (C), wherein component (D) is at least one phenolic antioxidant which is different from component (B).

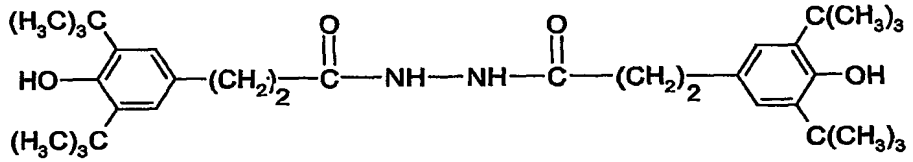
9. A composition according to claim 1 containing the components (A), (B) and (D) and optionally (C), wherein component (D) is at least one phenolic antioxidant selected from esters of β-(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid or β-(5-tert-butyl-4-hydroxyphenyl)propionic acid or β-(3,5-dicyclohexyl-4-hydroxyphenyl)propionic acid.

10. A composition according to claim 7 wherein
component (A) is a compound of the formula (I-2),



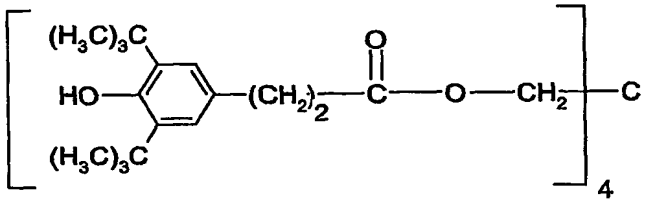
(I-2)

component (B) is a compound of the formula (II-1),



(II-1)

and
component (D) is a compound of the formula (III-1).



(III-1)

11. A composition according to claim 7 containing the components (A), (B) and (D) and optionally (C) and optionally one or more further components selected from the group consisting of metal (I) or (II) salts of fatty acids, metal (II) oxides, dihydrotalcite, phosphites, phosphonites, organic sulfides and organic disulfides.

12. A composition containing the components (I) and (II) wherein
component (I) is a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer; and
component (II) is the additive mixture according to claim 1.

13. A composition according to claim 12 wherein component (I) is a polypropylene homopolymer.

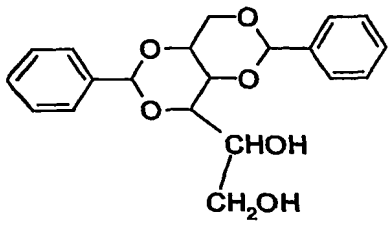
14. A composition according to claim 12 wherein component (I) is a polypropylene random copolymer, alternating or segmented copolymer or block copolymer, containing one or more comonomers selected from the group consisting of ethylene, C_4-C_{20}α-olefin, vinylcyclohexane, vinylcyclohexene, C_4-C_{20}alkanediene, C_5-C_{12}cycloalkandiene and norbornene derivatives.

15. A composition according to claim 12 wherein component (I) is a polypropylene copolymer, manufactured by copolymerisation of at least 75 % by weight of propylene with ethylene or another alpha-olefin comonomer, which is selected from linear or branched butene, linear or branched pentene, linear or branched hexene and linear or branched octene.

16. The use of the additive mixture according to claim 1 as clarifying agent for a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer.

17. A method for clarifying a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer, which comprises incorporating therein an additive mixture according to claim 1.

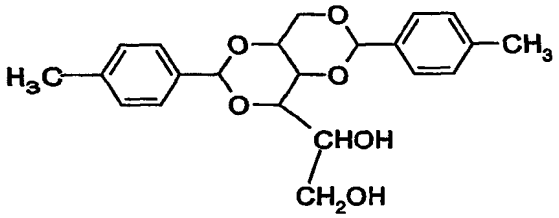
18. An additive mixture containing the components (A') and (C'), wherein either
component (A') is the compound of the formula (I-1); and



(I-1)

component (C') is at least one lubricant selected from the group consisting of a synthetic wax, montan-ester wax, paraffin wax, stearamide and oleamide; or

component (A') is the compound of the formula (I-2); and



(I-2)

component (C') is at least one lubricant selected from the group consisting of a synthetic wax, montan-ester wax, paraffin wax, stearamide, erucamide and oleamide.

19. A composition containing the components (I') and (II') wherein

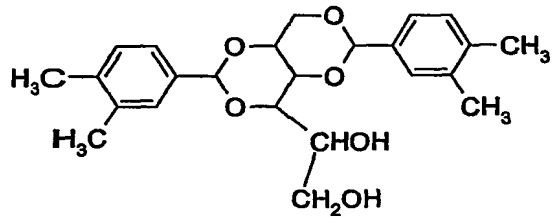
component (I') is a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer; and

component (II') is the additive mixture according to claim 18.

20. A method for clarifying a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer, which comprises incorporating therein an additive mixture according to claim 18.

21. An additive mixture containing the components (A") and (C") wherein

component (A") is the compound of the formula (I-3); and



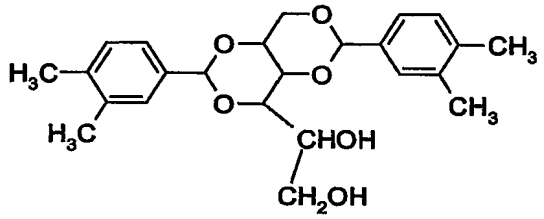
(I-3)

component (C") is selected from the group consisting of stearamide and oleamide.

22. A composition containing the components (I") and (II") wherein
component (I") is a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer; and
component (II") is the additive mixture according to claim 21.

23. A method for clarifying a polypropylene homopolymer, random copolymer, alternating or segmented copolymer, block copolymer or a blend of polypropylene with another synthetic polymer, which comprises incorporating therein an additive mixture according to claim 21.

24. A composition containing the components (I'"), (A'") and (C'") wherein
component (I'") is a polypropylene homopolymer or a polypropylene copolymer, manufactured by copolymerisation of at least 75 % by weight of propylene with ethylene or another alpha-olefin comonomer, which is selected from linear or branched butene, linear or branched pentene, linear or branched hexene and linear or branched octene;
component (A'") is the compound of the formula (I-3); and



(I-3)

component (C'") is selected from the group consisting of Fischer-Tropsch wax, high-pressure polyethylene wax, Ziegler-Natta polyethylene wax, metallocene polyethylene wax, Ziegler-Natta polypropylene wax, montan-ester wax, paraffin wax, stearamide, erucamide and oleamide.

25. The use of an additive mixture according to claim 1, 18 or 21 as processing aid.

26. The use of a mixture containing components (A'") and (C'") as defined in claim 24 as processing aid.

27. A method for improving the processibility of a polymer which comprises incorporating and dispersing therein an additive mixture according to claim 1, 18 or 21.

28. A method for improving the processibility of a polymer which comprises incorporating and dispersing therein components (A'") and (C'") as defined in claim 24.